ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
UGC AUTONOMOUS
(Permanently Affiliated to Andhra University, Approved by AICTE, Accredited by NBA & NAAC with 'A' Grade)
SANGIVALASA -531 162, BHEEMUNIPATNAM MANDAL , VISAKHAPATNAM DT.

III/IV B.TECH II-SEMESTER SUPPLEMENTARY EXAMINATIONS: DECEMBER-2020
(OFFLINE EXAM)

Date: 12-12-2020

DATE, DAY & TIME	CHEMICAL	CIVIL	CSE	ECE	EEE	IT	MECH
28/12/2020 (MONDAY) 01.00 PM – 03.15 PM	Mass Transfer-II	Reinforced Concrete Structures-II	Compiler Design	Microwave & Radar Engineering	1. Advanced Control Systems and Design (Elective-I) 2. Non-Conventional Energy Sources & Applications (Elective-I) 3. Competitive Programming (Elective-I)	Compiler Design	Manufacturing Technology-III
29/12/2020 (TUESDAY) 01.00 PM – 03.15 PM	Chemical Reaction Engineering-II	Estimation & Costing	Software Engineering	Digital Signal Processing	Thermodynamics and Mechanics of Fluids	Design & Analysis of Algorithms	Industrial Engineering and Management
30/12/2020 (WEDNESDAY) 01.00 PM – 03.15 PM	Material Science and Engineering	Geotechnical Engineering-II	Web Technologies	Microcontrollers & Embedded Systems	Computer Architecture and Organization	Object Oriented Analysis and Design with UML	Design of Machine Elements-II
31/12/2020 (THURSDAY) 01.00 PM – 03.15 PM	Chemical Technology	Transportation Engineering-I	Computer Architecture	Electronic Measurements and Instrumentation (Elective-I)	Performance of Induction and Synchronous Machines	Mobile Computing and Application Development	Engineering Thermodynamics-III
01/01/2021 (FRIDAY) 01.00 PM – 03.15 PM	1. Petrochemicals (Elective-I) 2. Industrial Pollution and Control (Elective-I)	Water Resources Engineering-I	1. Digital Image Processing (Elective-I) 2. Advanced Data Structures (Elective-I)	Digital Communications	Power Electronics	1. Technology Management (Elective-I) 2. Software Testing and Automation (Elective-I) 3. Distributed Operating Systems (Elective-I)	Operations Research
02/01/2021 (SATURDAY) 01.00 PM – 03.15 PM	—	RS & GIS Applications in Civil Engineering (Elective-I) (SUPPLY. STUDENTS)	—	—	Power Transmission and Distribution	—	Power Plant Engineering (Elective-I)

12/12/2020

CONTROLLER OF EXAMINATIONS
Dean & COE
ANITS
Sangivalasa
Visakhapatnam

PRINCIPAL
Principal
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist.

MODEL PAPER
III/IV B.Tech II SEM SUPPLY EXAMS

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)

Time: 2 hrs 15 minutes   **Max Marks: 4x15m=60m**

Answer **ANY FOUR Questions** one **question from each Unit**
All Questions Carry Equal Marks (15 Marks)
All parts of the question must **be answered in one place** only

Unit-I

1. a)What are renewable and non-renewable resources? Give examples? (7M)
   b) How would environmental awareness help to protect our environment? (8M)

(Or)

2. a) What are the major causes of deforestation? (7M)
   b) Mention the environmental impacts of modem agriculture? (8M)

Unit-II

3. a) Discuss the models of energy flow in an ecosystem? (7M)
   b) What is Homeostasis? What are the feedback mechanisms? (8M)

(OR)

4. a)Comment upon Indian Biodiversity with special reference as a mega diversity nation? (7M)
   b) What is meant by insitu and exsitu conservation of Biodiversity?Give Examples? (8M)

Unit-III

5. a) Mention some major implications of enhanced global warming? (7M)
   b) Enumerate the various methods for control of air pollution? (8M)

(OR)

6. a) What are the major impacts of acid rains and how can we control it? (7M)
   b) Classify solid waste? What are the sources of urban and industrial solidwastes?

Unit—IV

        (8M)

7. a) Define EIA? Mention some advantages? (7M)
   b) What do you mean by sustainable development? What are the major measures to attain sustainability? (8M)

(OR)

8. a) What is meant by Population explosion? Discuss the Indian scenario? (7M)
   b) What is Rainwater harvesting? Mention the purposes served by it? (8M)

Unit-V

9. a) Describe briefly about Silent valley project? (7M)
   b) Discuss the salient features of Wildlife(Protection) Act, 1972? (8M)

(OR)

10. a)Write a short note on Stockholm Conference? (7M)
    b) How do you define pollution as per Water (Prevention and Control of Pollution) Act, 1974? Mention some salient features of the Ac? (8M)

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